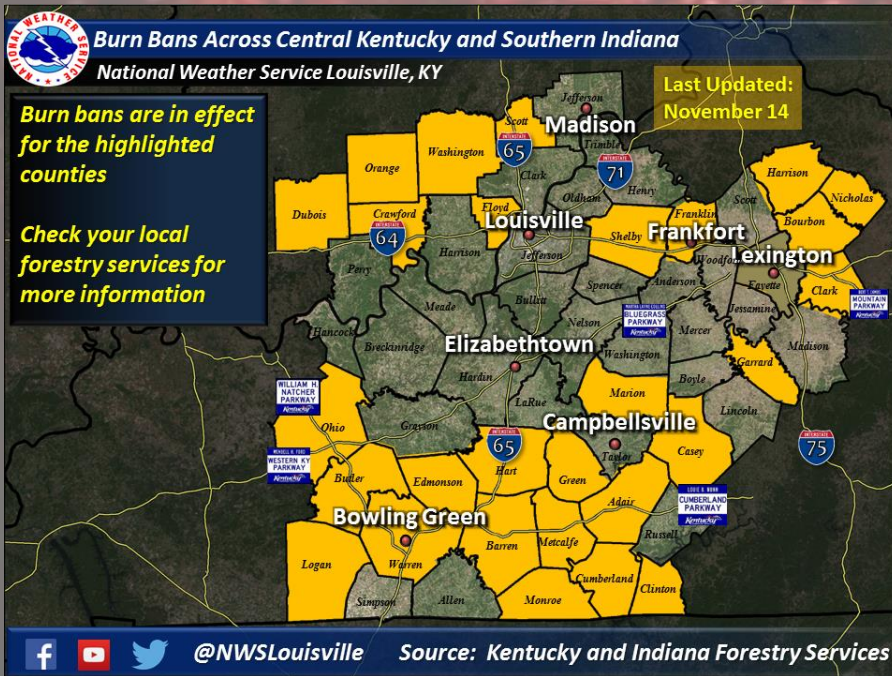


Burn Ban Briefing Slides

Weather Assessment for Southern Indiana and Central Kentucky



Prepared at: 7:30 PM EST
Nov 14, 2016

Ryan Sharp, Tom Reaugh
NWS Louisville KY

National Weather Service Louisville KY

Weather Synopsis

Synopsis of Upcoming Weather...

- Dry conditions will persist to Friday.
- Mostly light winds less than 10 mph through midweek. Winds will be 10-15 mph from the south Thursday and then from the south-southwest Friday.
- **Worth Noting:** Very weak disturbances bring extremely small chances (<15%) for light measurable rain tonight. Any very light rain would not impact ongoing drought.

Weather Outlook...

- Tuesday and Wednesday – Temperatures a little above normal. Dry.
- Thursday and Friday – Temperatures well above normal. Perhaps near records Friday. Dry Thursday, then a chance for rain later Friday.

Confidence...

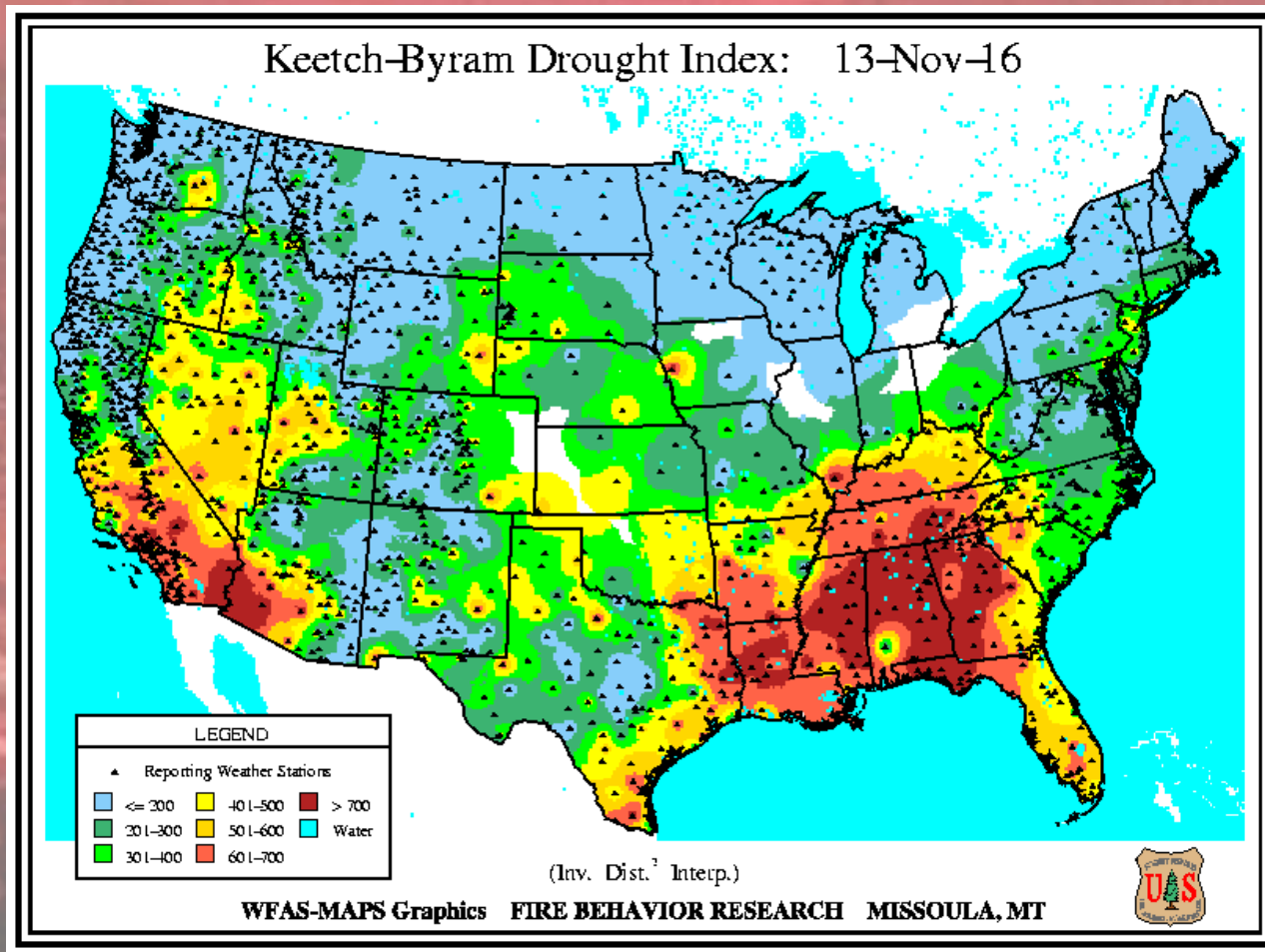
- High confidence in temperatures and overall dry forecast.
- Medium confidence in winds.

Fire Growth Potential Over the Work Week

Overview for Today – Wednesday: Increased clouds, near normal temperatures, relatively light winds, and higher relative humidity should keep fire growth potential lower.

Overview for Thursday – Friday: Above normal temperatures, increased winds, lower relative humidity, and dry weather could make **Friday (11/18)** the highest fire growth potential of the work week.

Keetch-Byram Drought Index



KBDI = 0 - 200: Soil moisture and large class fuel moistures are high and do not contribute much to fire intensity. Typical of spring dormant season following winter precipitation.

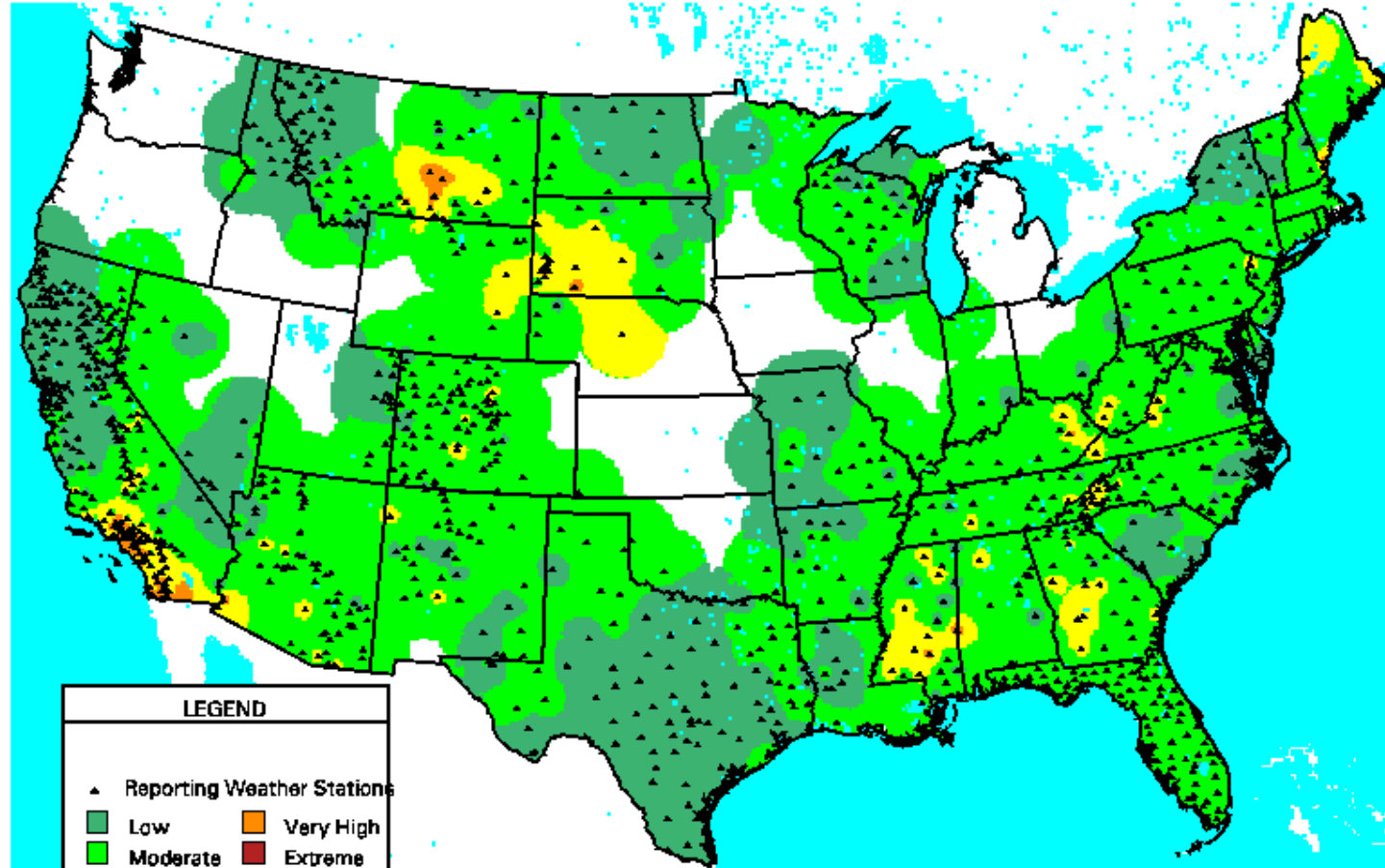
KBDI = 200 - 400: Typical of late spring, early growing season. Lower litter and duff layers are drying and beginning to contribute to fire intensity

KBDI = 400 - 600: Typical of late summer, early fall. Lower litter and duff layers actively contribute to fire intensity and will burn actively.

KBDI = 600 - 800: Often associated with more severe drought with increased wildfire occurrence. Intense, deep burning fires with significant downwind spotting can be expected. Live fuels can also be expected to burn actively at these levels.

Fire Danger Class

Forecast Fire Danger Class: 14-NOV-16



LEGEND	
▲ Reporting Weather Stations	
Low	Very High
Moderate	Extreme
High	Water

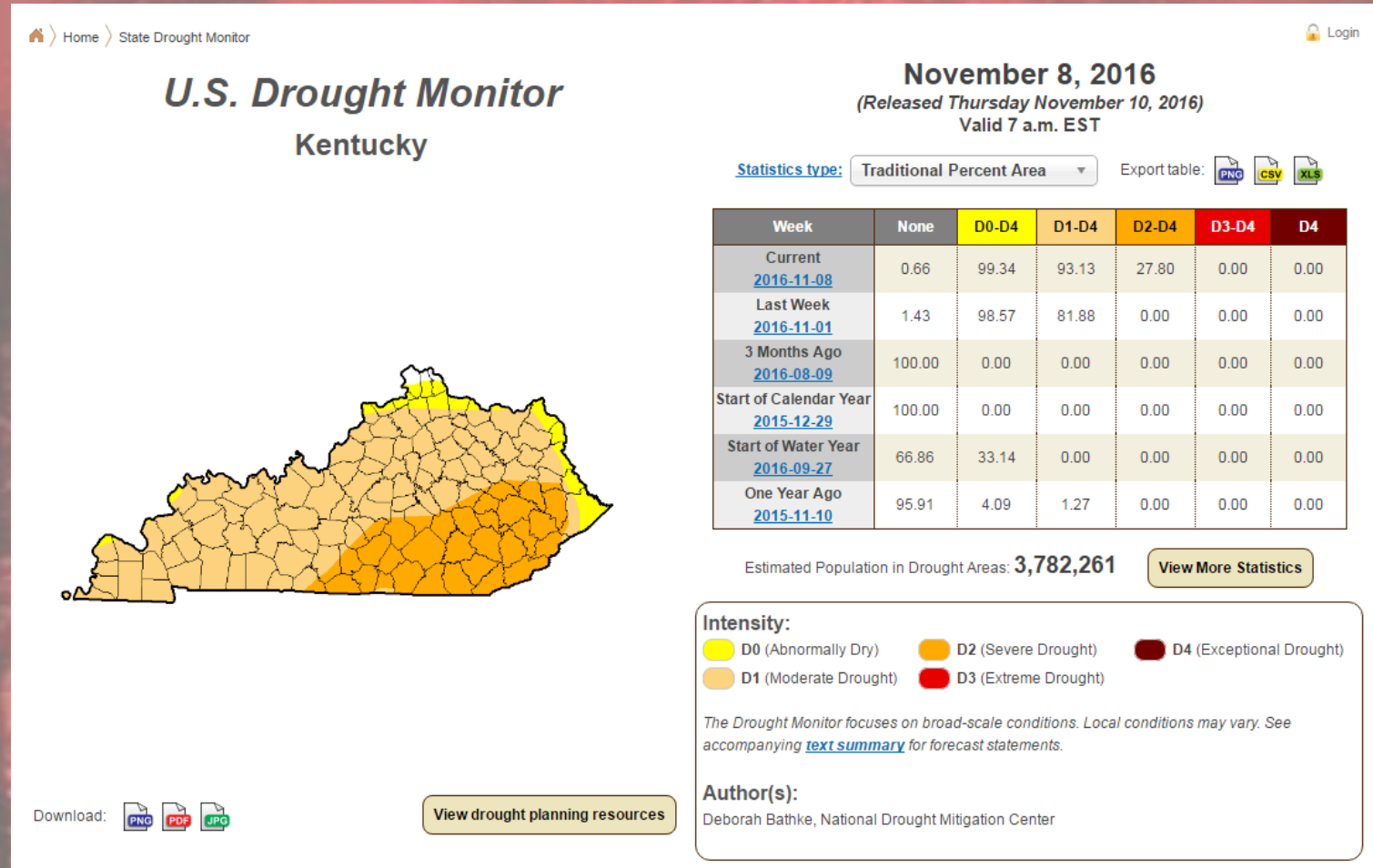
(Inv. Dist.² Interp.)

WFAS-MAPS Graphics FIRE BEHAVIOR RESEARCH MISSOULA, MT



Ongoing Drought Conditions - Latest

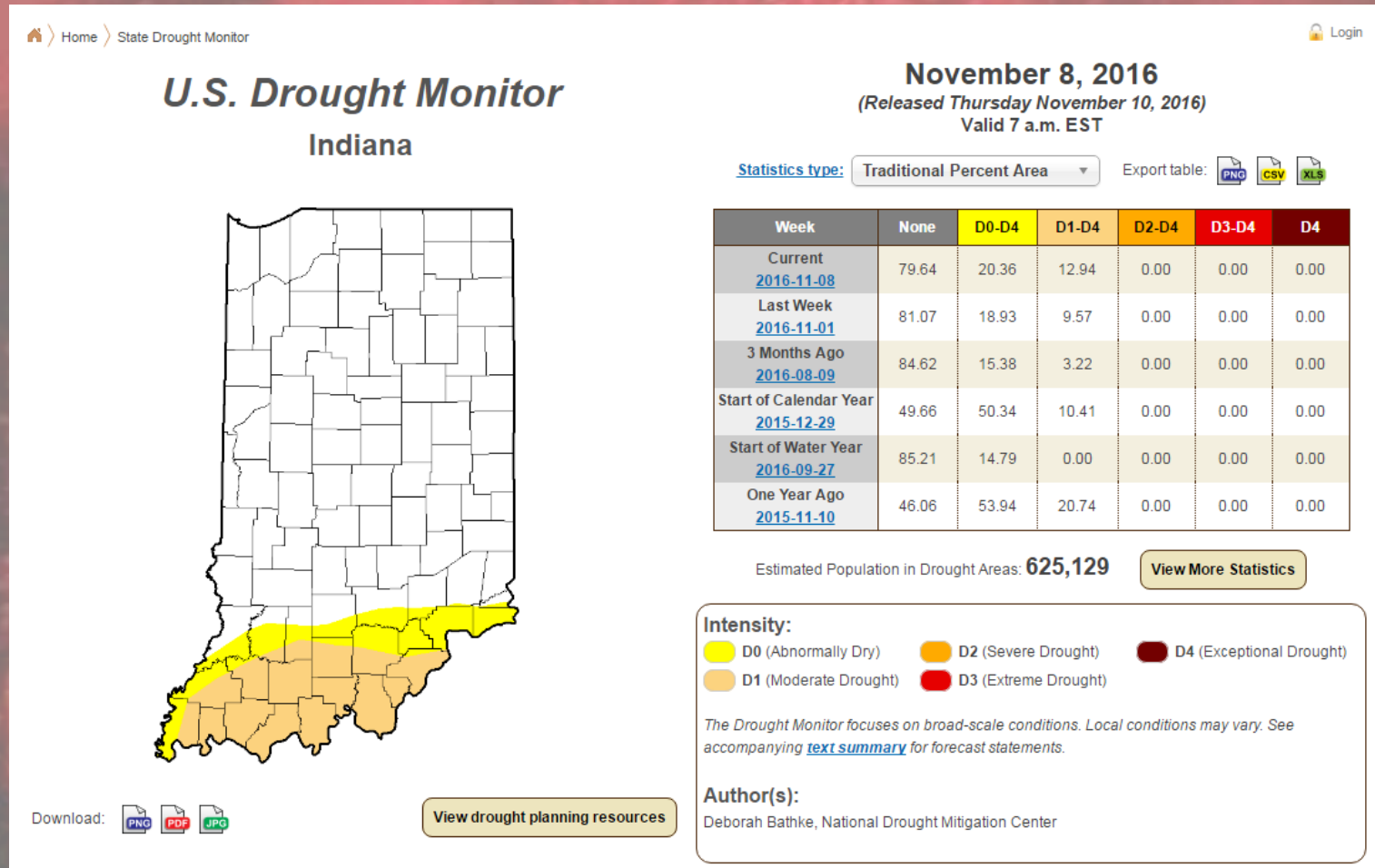
Local Drought Information Source: <http://www.weather.gov/lmk/drought>



- Moderate to severe drought across central KY
- Drought conditions will likely worsen over the next week

Ongoing Drought Conditions - Latest

Local Drought Information Source: <http://www.weather.gov/lmk/drought>



- Abnormally dry to moderate drought across southern IN
- Drought conditions will likely worsen over the next week

Weather Resources

- Spot Forecast Request for Prescribed Burn or Wildfire:
 - <http://www.weather.gov/spot/?site=lmk>
- Hourly Weather Forecast for T, Td, RH, Wind, etc:
 - <http://forecast.weather.gov/MapClick.php?lat=38.2636&lon=-85.7441&unit=0&lg=english&FcstType=graphical>
- United States Forest Service – Wildland Fire Assessment System (click on Fire Potential/Danger or Moisture/Drought)
 - <https://www.wfas.net/>

Summary

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- Another week of dry weather will lead to increased drought severity and continued dry fuels.
 - High confidence in dry conditions and overall light winds most of this work week.
 - Most concern for higher fire potential day based on winds, temperature, and RH will be Friday 11/18.
 - Lowest concern for higher fire potential will be today – Wednesday.
 - More burn bans likely to be added due to worsening drought conditions.
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